

DAFTAR PUSTAKA

- Adamczyk, W., Boehmer, S., Delaporte, I., Escudero, V., & Liepmann, H. (2025). Developing a new method to uncover skills trends in emerging economies using online data and NLP techniques. *ILO Methodological Brief*. <https://doi.org/10.54394/HQXX3200>
- Ao, Z., Horvath, G., Sheng, C., Song, Y., & Sun, Y. (2023). Skill requirements in job advertisements: A comparison of skill-categorization methods based on explanatory power in wage regressions. *Information Processing & Management*, 60(2), 103185. <https://doi.org/10.1016/j.ipm.2022.103185>
- Bansal, S., Srivastava, A., & Arora, A. (2017). Topic modeling driven content based jobs recommendation engine for recruitment industry. *Procedia Computer Science*, 122, 865–872. <https://doi.org/10.1016/j.procs.2017.11.448>
- Blei, D. M., Ng, A. Y., & Jordan, M. I. (2003). Latent dirichlet allocation. *Journal of Machine Learning Research*, 3(Jan), 993–1022.
- Dieng, A. B., Ruiz, F. J., & Blei, D. M. (2020). Topic modeling in embedding spaces. *Transactions of the Association for Computational Linguistics*, 8, 439–453.
- Gurcan, F., & Cagiltay, N. E. (2019). Big data software engineering: Analysis of knowledge domains and skill sets using LDA-based topic modeling. *IEEE Access*, 7, 82541–82552. <https://doi.org/10.1109/ACCESS.2019.2924075>
- Gürçan, F., & Köse, C. (2025). Next-generation software development competencies: Identification of technical and non-technical skills needed by modern industry. *Gümüşhane University Journal of Science*, 15(1), 197–209. <https://doi.org/10.17714/gumusfenbil.1600286>
- Hikmah, F. N., Basuki, S., & Azhar, Y. (2024). Deteksi topik tentang tokoh publik politik menggunakan latent dirichlet allocation (LDA). *Jurnal Repositor*, 2(4). <https://doi.org/10.22219/repositor.v2i4.30515>
- Jelodar, H., Wang, Y., Yuan, C., Feng, X., Jiang, X., Li, Y., & Zhao, L. (2019). Latent Dirichlet allocation (LDA) and topic modeling: Models, applications, a survey. *Multimedia Tools and Applications*, 78(11), 15169–15211.
- Jurafsky, D., & Martin, J. H. (2024). *Speech and language processing: An introduction to natural language processing, computational linguistics, and speech recognition* (3rd ed. draft).
- Karmila, S., & Ardianti, V. I. (2022). Metode latent dirichlet allocation untuk menentukan topik teks suatu berita. *Jurnal Informatika & Komputasi*, 16(1), 36–44.
- Kherwa, P., & Bansal, P. (2020). Topic modeling: A comprehensive review. *EAI Endorsed Transactions on Scalable Information Systems*, 7(24), 1–16. <https://doi.org/10.4108/eai.13-7-2018.159623>
- Listyawan, B. R. N., Setiawan, N. Y., & Saputra, M. C. (2024). Topic modelling pada aktivitas pengembangan perangkat lunak menggunakan BERTopic. *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer*, 8(8).
- Majid, M. R., Septama, H. D., & Pratama, M. (2025). Analysis of skill requirements in the information technology job market on Jobstreet Indonesia using machine learning

- algorithms. *IT Journal Research and Development*, 10(1), 21–34. <https://doi.org/10.25299/itjrd.2025.20594>
- Omar, M., On, B. W., Lee, I., & Choi, G. S. (2015). LDA topics: Representation and evaluation. *Journal of Information Science*, 41(5), 662–675. <https://doi.org/10.1177/01655515155587839>
- Patacsil, F. F., & Acosta, M. (2021). Analyzing the relationship between information technology jobs advertised on-line and skills requirements using association rules. *Bulletin of Electrical Engineering and Informatics*, 10(5), 2771–2779. <https://doi.org/10.11591/eei.v10i5.2590>
- Roji, F. F., Rahayu, D., Muminin, R. S., Ramdani, D., & Hendrik, D. (2023). Topic modeling in thesis titles of students from the Faculty of Economics Universitas Garut using latent Dirichlet allocation modeling. *RISTEC: Research in Information Systems and Technology*, 4(1).
- Rouf, A., Pranoto, Y., & Setyati, E. (2023). Sistem rekomendasi pekerjaan menggunakan content based similarity. *Jutisi : Jurnal Ilmiah Teknik Informatika Dan Sistem Informasi*, 12(2), 618–626. <https://doi.org/10.35889/jutisi.v12i2.1229>
- Shehu, M., & Gjika, E. (2024). A comprehensive review of the three main topic modeling algorithms and challenges in Albanian employability skills. *European Scientific Journal, ESJ*, 20(12), 31. <https://doi.org/10.19044/esj.2024.v20n12p31>
- Sievert, C., & Shirley, K. (2014). LDAvis: A method for visualizing and interpreting topics. Dalam *Proceedings of the Workshop on Interactive Language Learning, Visualization, and Interfaces* (hal. 63–70). Association for Computational Linguistics.
- Vayansky, I., & Kumar, S. A. P. (2020). A review of topic modeling methods. *Information Systems*, 94, 101582. <https://doi.org/10.1016/j.is.2020.101582>
- Wei, J., & Xu, Y. (2022). The application of LDA model in the analysis of job talent demand under big data technology. Dalam *2022 International Conference on Artificial Intelligence in Everything (AIE)* (hal. 301–305). IEEE. <https://doi.org/10.1109/AIE57029.2022.00065>
- Wowczko, I. A. (2015). Skills and vacancy analysis with data mining techniques. *Informatics*, 2(4), 31–49. <https://doi.org/10.3390/informatics2040031>